

USGS Hydroacoustics Workshop

San Diego, CA -- March 8-12, 2004

Sponsored by the USGS, Office of Surface Water (OSW)

Agenda

<u>Time</u>	<u>Presentation/Topic</u>	<u>Presenter</u>	<u>Agency</u>
<u>Monday, March 08, 2004</u>			
13:00	Welcome - workshop agenda and goals	Blanchard/Oberg	USGS
13:30	Future of Hydroacoustics and other technologies and application to SW Science	AD/Water	USGS
14:30	<i>Break</i>		
15:00	New Developments in Hydroacoustics	Kevin Oberg	USGS
16:00	OSW Hydroacoustics Quality Assurance Activities	David Mueller	USGS
17:00	<i>Adjourn</i>		
17:30	Icebreaker Reception - Vendor Displays		
19:30	<i>Adjourn for evening</i>		
<u>Tuesday, March 09, 2004</u>			
8:00	ADCP Measurement Platforms: Tethered and Remote-Controlled Boats -- Technical Session		
9:30	<i>Break</i>		
10:00	International ADCP Applications -- Technical Session		
12:00	<i>Lunch</i>		
13:00	Application of Acoustic Doppler Velocity Meter's for Index-Velocity Measurements, Upland Rivers -- Technical Session		
14:30	<i>Break</i>		
15:00	Acoustic Doppler Current Profilers for Discharge Measurement -- Technical Session		
17:00	<i>Adjourn</i>		
<u>Wednesday, March 10, 2004</u>			
8:00	Application of ADCPs -- Coastal and Tidal -- Technical Session		
9:30	<i>Break</i>		
10:00	Estimating Suspended Sediment Concentrations using Acoustic Backscatter -- Technical Session		
12:00	<i>Lunch</i>		

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13:00	Hydroacoustic Point Velocity Meters - Development and Application -- Technical Session		
14:30	<i>Break</i>		
15:00	Software Applications for Analysis of ADCP Data		
17:00	<i>Adjourn</i>		
17:30	Evening Session - including poster session, group meal, and vendor displays		

Thursday, March 11, 2004

8:00	Application of ADCPs -- Upland Rivers -- Technical Session
9:30	<i>Break</i>
10:30	Alternative Mechanisms for ADCP Discharge Measurements - Cableway and other measurement techniques -- Technical Session
12:00	<i>Lunch</i>
13:00	Training Short Courses - Concurrent Sessions Track I -- Review of ADCP Discharge Data using WinRiver Track II -- Review of ADCP Discharge Data using RiverSurveyor Track III -- Graphical Tools for Analyzing ADCP Data
17:00	<i>Adjourn</i>

Friday, March 12, 2004

8:00	Training Short Courses - Concurrent Sessions <i>Track I -- Review of ADCP Discharge Data using WinRiver</i> <i>Track II -- Review of ADCP Discharge Data using RiverSurveyor</i> <i>Track III -- Use of MatLab for analysis of ADCP data</i>
12:00	<i>Lunch</i>
13:00	Optional Field Trips <i>1. Tour of ADCP manufacturing facilities</i> <i>2. Demonstrations of remote-controlled ADCP boat and other hydroacoustic instruments</i>



For more information on ADCP's and their application in the USGS, visit the USGS, OSW ADCP Web pages

<http://hydroacoustics.usgs.gov/>